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Fraser EM R2

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**10x10: Can’t Miss Upper Extremity Injuries**

**Posterior Shoulder Dislocations (PSD)**

* Posterior shoulder dislocations are a relatively **rare injury** (approx. 4% of all shoulder dislocations), however, the diagnosis is often missed
  + Long term disability if missed
* Suspect in patients
  + Classic “E’s”: high Energy trauma, electrocution, epilepsy, EtOH
  + Most common is trauma onto upper limb in **forward flexion** and **internal rotation**
  + Obtunded or intubated patients with distracting injuries including multitrauma patients from peripheral sites
* Imaging Tips
  + Gold standard is an **axillary XR**
  + Alternatives include trans scapular Y-view or Velpeau view if patient is in significant pain

**Pediatric Lateral Condyle Fractures**

* **Second most common** pediatric elbow fractures (approx. 15% of elbow fractures)
* Think about in children aged 5-10 years old with high energy FOOSH mechanism but subtle findings on physical exam
* Associated with **higher rates of complications** compared to other elbow fractures
  + Malunion and non union
  + Cubitus varus and growth disturbance
  + AVN
  + Ulnar nerve injury
* Can be **intra-articular** and required prompt surgical fixation even when they are minimally displaced
* Imaging Tips
  + **Oblique XR** view to avoid misdiagnosing as supracondylar fracture or as an ossification centre
  + Image contralateral side if in doubt